INDEX TO VOLUME 41

AUTHORS INDEX

A

ADAMS, PHILIP E. Office management of the orthodontic practice, 180
—. President's address, Northeastern Society of Orthodontists, 487
—. Response to address of welcome, 733
AST, DAVID B. The Newburgh-Kingston Caries Fluorine Study. VII. Correlation of ingested water fluorides to dentofacial development, 45
—. (*See* Salzmann and Ast), 674

B

BARNES, RICHARD E. Molar crowns and anterior bite planes, 328
BJÖRK, ARNE. Cranial base development, 198
BORN, HAROLD S. Some factors concerning the open coil spring, 917

C

CARLSON, STANLEY DAVID. A possible explanation for dizziness in Costen's syndrome, 470
CHAPMAN, LLOYD. Completion of difficult deep overbite cases, 137
COBEN, S. EUGENE. The integration of facial skeletal variants, 407
CRAIN, SOLON P. The comprehension of diagnostic differentiation of Class III cases for the instigation of treatment therapeutics, 604

D

DEWEL, B. F. Second premolar extraction in orthodontics: principles, procedures, and case analysis, 107

E

EWAN, GEORGE E. Locating impacted cuspids, 926

F

FAIRBANK, LEIGH C. President's address, Southern Society of Orthodontists, 81
FISCHER, BERCU. Applying the clinical yardstick to some current orthodontic concepts, 362
FLEMING, WILLARD C. Address of welcome, 731
FORD, JAMES W. President's address, American Association of Orthodontists, 241
FRANK, BARNETT. A rationale for closer cooperation between the orthodontist and the speech and hearing therapist, 571

G

GERMOND, ROBERT C. A survey of current practice procedures, 506
GRABER, T. M. Extraoral force—facts and fallacies, 490
—. The role of upper second molar extraction in orthodontic treatment, 354

H

HAHN, GEORGE W. Treatment in the deciduous dentition, 255
HEATON, GEORGE D. The basic elements of living, 84
HEMLEY, SAMUEL. The clinical significance of tissue changes incidental to tooth movement, 5
HOLLAND, DANIEL J. A technique of surgical orthodontics, 27
HOPKINS, STEPHEN C. Inadequacy of mandibular anchorage, 691
HUETTNER, ROBERT J., AND YOUNG, ROBERT W. The movability of vital and devitalized teeth in the Macacus rhesus monkey, 594
HUNT, V. EVERETT. (*See* Hunt and Hunt), 291
HUNT, VERNON L., AND HUNT, V. EVERETT. Investments for dentists, 291

J

JENKINS, D. H. Analysis of orthodontic deformity employing lateral cephalostatic radiography, 442

K

KLOEHN, SILAS J. At what age should treatment be started? 262

L

LESLIE, HAROLD E. A new improved method of treatment of impacted or unerupted teeth, 583

LUBAN, JOSEPH. Speech and the cleft palate patient, 121

LUNDERGAN, LEO B. Preventive dentistry and preventive orthodontics through public dental health education, 554

LUNDSTRÖM, ANDERS. The significance of early loss of deciduous teeth in the etiology of malocclusion, 819

—. The significance of genetic and nongenetic factors in the profile of the facial skeleton, 910

—. Variation of tooth size in the etiology of malocclusion, 872

M

MOORREES, COENRAAD F. A., AND YEN, PETER KAI-JEN. An analysis of changes in the dentofacial skeleton following orthodontic treatment, 526

N

NANDA, RAM SARUP. The rates of growth of several facial components measured from serial cephalometric roentgenograms, 658

P

PARKER, WILLIAM S. Death and the orthodontist, 188

POLLOCK, H. C. St. Louis and early orthodontics, 809

PRUZANSKY, SAMUEL. Factors determining arch form in clefts of the lip and palate, 827

R

RICKETTS, ROBERT M. Abnormal function of the temporomandibular joint, 435

—. Facial and denture changes during orthodontic treatment as analyzed from the temporomandibular joint, 163

S

SALZMANN, J. A. Introduction of the 1955 prize essay contest winner, 734

—. President's address, Northeastern Society of Orthodontists, 1

—, AND AST, DAVID B. The Newburgh-Kingston Caries Fluorine Study. IX. Dentofacial growth and development —cephalometric study, 674

SASSOUNI, VIKEN. A roentgenographic cephalometric analysis of cephalo-facio-dental relationships, 735

SHEPARD, EARL E. President's address, Central Section of the American Association of Orthodontists, 161

—. The clinical application of a modified twin wire orthodontic appliance, 341

SPENGEMAN, WALTER G. The dilemma of undergraduate orthodontic education and its effect, 765

STONER, MORRIS M. A photometric analysis of the facial profile, 453

SUBTELNY, J. DANIEL. Width of the nasopharynx and related anatomic structures in normal and unoperated cleft palate children, 889

SVED, ALEXANDER. The mesial drift of teeth during growth, 539

SWINEHART, EARL W. Centennial of the birth of Dr. Edward H. Angle, 930

T

TERRY, H. K. Cases indicating early treatment, 279

THOMPSON, HAROLD EUGENE. Speculations on the potentialities of connective tissue fibers, 778

W

WADE, ROBERT E. President's address, Great Lakes Society of Orthodontists, 325

WAUGH, LEUMAN M. A panel on the treatment of the deciduous and mixed dentitions, 246

—. Care of the deciduous teeth as the basis of occlusion of the permanent dentition, 90

WEST, FREDERICK T. President's address, American Association of Orthodontists, 651

—. Your president reports, 55

WILSON, WILLIAM L. Variations of labiolingual therapy in Class II cases, 852

WOODS, GUY ALDEN, JR. Toothbrushing procedure for orthodontic patients, 370

Y

YEN, PETER KAI-JEN. (*See* Moorrees and Yen), 526

YOUNG, ROBERT W. (*See* Huettner and Young), 594

SUBJECT INDEX

A

Abnormal function of temporomandibular joint, 435
Achondroplasia; cranial base development, 205
Adolescent age changes in sagittal jaw relation, alveolar prognathy, and incisal inclination, 717 (Abst.)
Advisory Council on Reserve Affairs established for Army Medical Service, 75
Age changes, adolescent, in sagittal jaw relation, alveolar prognathy, and incisal inclination, 717 (Abst.)
Alveolar bone proper, roentgenographic investigation of effect of orthodontic treatment on relationship of, to cemento-enamel junction, 147 (Abst.)
prognathy, sagittal jaw relation, and incisal inclination, adolescent age changes in, 717 (Abst.)
American Association for Cleft Palate Rehabilitation, 158, 239, 323
of Orthodontists, 724
address of welcome, 731
response to, 733
Central Section of, 156, 646, 726, 945
President's address, 161
Committee on Research, introduction of 1955 prize essay contest winner by Dr. J. A. Salzmann, chairman, Monday, May 9, 1955, 734
fifty-first annual meeting of, 67, 155, 238, 320, 621
Golden Anniversary Luncheon, address by Robert H. W. Strang at, 633
Report on, 632
meeting of 1955, 621
notes on San Francisco meeting, 637
president's address, 241, 651
1955 prize essay contest, 68, 156
1956 prize essay contest, 723, 805, 882, 994
report, annual, of Military Affairs Committee, 1955, 388, 714
from A.A.O. general chairman, 629
of Committee on President's Address, 1955, 713
of historian to board of directors of, 794
of Necrology Committee of, 795
of Nomenclature Committee, 1954, 390
of Nomenclature Committee, 1955, 797
American Association—Cont'd
of Public Health Committee, 798
on Golden Anniversary Luncheon, 632
1955 research section meeting, 68, 155
1956 research section meeting, 723, 805, 882, 944
Strang, Robert H. W., address by, at Golden Anniversary Luncheon, 633
your president reports, 55
Board of Orthodontics, 69, 157, 654, 724, 806, 883, 945
A.B.O. theses available for reading on constituent society programs, 725
Dental Association, 568
Journal of Orthodontics, editor's report, 1953-1954, 387
Public Health Association, 806
Committee on Child Health, 884
Analysis of changes in dentofacial skeleton following orthodontic treatment, 526
functional, of facial skeleton with split-line technique, 395 (Abst.)
of orthodontic deformity employing lateral cephalostatic radiography, 442
photometric, of facial profile, 453
Anatomy, dentofacial, study of, in normal and abnormal individuals employing lateral cephalometric radiography, 149 (Abst.)
maxillo-facial: with practical applications, 398 (Abst.)
Anchorage, extraoral, cephalometric evaluation of, 640 (Abst.)
mandibular, inadequacy of, 691
Angle, Dr. Edward H., centennial of birth of, 930
facial, prediction of, in man, 150 (Abst.)
School of Orthodontia, Eastern Association of Graduates of, 403
Anterior bite planes, molar crowns and, 328
Anthropology, dental, introduction to; human masticatory apparatus, 397 (Abst.)
Apical base, mandibular, roentgenographic anthropometric evaluation of, 641 (Abst.)
Appliance, orthodontic, modified twin wire, clinical application of, 341
Appliances, orthodontic; atlas for dentists and orthodontists, 566 (Abst.)
Arch form in clefts of lip and palate, factors determining, 827
Army Medical Service, Advisory Council on Reserve Affairs established for, 75

Arnold, E. B., presented Dewey award by Southwestern Society of Orthodontists, 954
Articulation, squamoso-mandibular, development of, in rat from 16 days insemination age to 30 days after birth, 147 (Abst.)

B

Baker, Charles R., honored by Chicago Association of Orthodontists, 74
Basic elements of living, 84
Biometrics of crowding and spacing of teeth in mandible, 801 (Abst.)
Bite planes, anterior, molar crowns and, 328
Bone development, mandibular, in rat, variation of, resulting from excision of anterior bellies of digastric muscles, 643 (Abst.)
Books and magazines to be sent abroad, 957
Bulbar-spinal poliomyelitis, evaluation of effects of, on occlusion of teeth, 721 (Abst.)

C

Caries Fluorine Study, Newburgh-Kingston; VII. Correlation of ingested water fluorides to dentofacial development, 45
IX. Dentofacial growth and development—cephalometric study, 674
Cementoenamel junction, roentgenographic investigation of effect of orthodontic treatment on relationship of alveolar bone proper to, 147 (Abst.)
Central Section of American Association of Orthodontists, 156, 646, 726, 945
president's address, 161
Cephalo-facio-dental relationships, roentgenographic cephalometric analysis of, 735
Cephalometric analysis, serial, of skeletal and denture patterns of children with excellent occlusions, 642 (Abst.)
and roentgenographic cephalometric techniques, correlative study of palatofacial growth using, 152 (Abst.)
appraisal, extra-alveolar, during treatment; new approach, 318 (Abst.)
evaluation of extraoral anchorage, 640 (Abst.)
of facial-skeletal and dental changes during and after treatment of Class II, Division 1 malocclusion, 721 (Abst.)
radiography and electromyography, study of dentofacial morphology and temporalis muscle activity in normal 7-year-old children, employing, 232 (Abst.)
Cephalometric analysis—Cont'd
lateral study of dentofacial anatomy in normal and abnormal individuals employing, 149
registration as aid in diagnosing malocclusions, 478 (Abst.)
roentgenograms, serial, rates of growth of several facial components measured from, 658
roentgenographic analysis of cephalo-facio-dental relationships, 735
study of relationships of maxillary and mandibular central incisors of children having excellent occlusion and Class II, Division 1 malocclusion, 234 (Abst.)
serial, of facial and denture patterns in children having excellent occlusion using angular and linear measurements, 231 (Abst.)
Cephalostatic radiography, lateral, analysis of orthodontic deformity employing, 442
Chicago Association of Orthodontists, Charles R. Baker honored by, 74
Dental Society, fifteenth annual research award competition, 647, 728
Children, growth failure in, use of partial vitamin supplements in treatment of, 803 (Abst.)
normal and unoperated cleft palate, width of nasopharynx in, 889
Cinefluorographic evaluation of results of orthodontic treatment of Class II, Division 1 malocclusions which previously exhibited posterior translation of mandible and study of spatial relationship of hyoid bone, 152 (Abst.)
Class II cases, variations of labiolingual therapy in, 852
Division 1 malocclusion, cephalometric evaluation of facial-skeletal and dental changes during and after treatment of, 721 (Abst.)
malocclusions, dental changes accompanying treatment of, by extraoral means, 151 (Abst.)
III cases, comprehension of diagnostic differentiation of, for instigation of treatment therapeutics, 604
malocclusion, temporomandibular joint in, radiographic investigation of, 942 (Abst.)
Cleft palate children, unoperated, normal and, width of nasopharynx and related anatomic structures in, 889
individuals, velopharyngeal valving in, study of relation between nasal emission and form and function of certain structures associated with, 639 (Abst.)
patient, speech and, 121
from 6 to 13 years of age, lateral cephalometric study of skeletal pattern in, 236 (Abst.)
Clefts of lip and palate, arch form in, factors determining, 827

Clinical application of modified twin wire orthodontic appliance, 341
significance of tissue changes incidental to tooth movement, 5
yardstick, applying, to current orthodontic concepts, 362
Connective tissue fibers, speculations on potentialities of, 778
Copies of Journal needed, 728
Costen's syndrome, dizziness in, possible explanation for, 470
Cranial base development, 198
growth of young rats, acceleration of, following injection of somatotrophic hormone, 65 (Abst.)
Crowding and spacing of teeth in mandible, biometrics of, 801 (Abst.)
Crowns, molar, and anterior bite planes, 328
Cuspids, impacted, locating, 926

D

Death and orthodontist, 188
Deciduous and mixed dentitions, panel on treatment of, 246
dentition, treatment in, 255
teeth, care of, as basis of occlusion of permanent dentition, 90
significance of early loss of, in etiology of malocclusion, 819
Deformity, orthodontic, analysis of, employing lateral cephalostatic radiography, 442
Dental anthropology, introduction to; human masticatory apparatus, 397 (Abst.)
bibliography, Mexican, 392 (Abst.)
casts of patients made before and after orthodontic treatment, analysis of, 233 (Abst.)
changes accompanying treatment of Class II malocclusions by extraoral means, 151 (Abst.)
Laboratory Code, 728
occlusion, thumb-sucking and, 640 (Abst.)
services, availability of; preventive dentistry and preventive orthodontics through public dental health education, 556
Dentine, long bone and, of tryptophane-deficient and -depleted rats, histochemical studies on, 643 (Abst.)
Dentistry in Oklahoma, story of; open wider, please, 878 (Abst.)
preventive, and preventive orthodontics through public dental health education, 554
Dentists, investments for, 291
Dentition, deciduous, treatment in, 255
permanent, occlusion of, care of deciduous teeth as basis of, 90
Dentitions, deciduous and mixed, panel on treatment of, 246
Dentofacial anatomy, study of, in normal and abnormal individuals employing lateral cephalometric radiography, 149 (Abst.)
Dentofacial anatomy—Cont'd
development, correlation of ingested water fluorides to; Newburgh-Kingston Caries Fluorine Study; VII, 45
growth and development—cephalometric study; Newburgh-Kingston Caries Fluorine Study; IX, 674
morphology and temporalis muscle activity in normal 7-year-old children, study of, employing cephalometric radiography and electromyography, 232 (Abst.)
skeleton, changes in, following orthodontic treatment, analysis of, 526
Denture patterns, skeletal and, of children with excellent occlusions, serial cephalometric analysis of, 642 (Abst.)
Denver summer meeting, 646
Development, cranial base, 198
Dewey award, E. B. Arnold presented, by Southwestern Society of Orthodontists, 954
Diagnosing malocclusions, cephalometric registration as aid in, 478 (Abst.)
Diagnostic differentiation of Class III cases for instigation of treatment therapeutics, comprehension of, 604
records, orthodontic, registration of, for statistical evaluation, 483 (Abst.)
Dizziness in Costen's syndrome, possible explanation for, 470
Drift, mesial, of teeth during growth, 539

E

Eastern Association of Graduates of Angle School of Orthodontia, 403
Editor's report, American Journal of Orthodontics, 1953-1954, 387
Education, public dental health, preventive dentistry and preventive orthodontics through, 554
undergraduate orthodontic, dilemma of, and its effect, 765
Electromyography, cephalometric radiography and, study of dentofacial morphology and temporalis muscle activity in normal 7-year-old children, employing, 232 (Abst.)
Eruptive movements of lower first molar in rat from 13 days insemination age to 30 days after birth, 65 (Abst.)
Etiology of malocclusion, significance of early loss of deciduous teeth in, 819
variation of tooth size in, 872
Extra-alveolar cephalometric appraisal during treatment: new approach, 318 (Abst.)
Extraction, malocclusions treated with and without, length of clinical crowns of teeth in, 66 (Abst.)

Extraction—Cont'd
second premolar, in orthodontics: principles, procedures, and case analysis, 107
upper second molar, role of, in orthodontic treatment, 354
Extraoral anchorage, cephalometric evaluation of, 640 (Abst.)
force—facts and fallacies, 490

F

Facial angle in man, prediction of, 150 (Abst.)
and denture changes during orthodontic treatment as analyzed from temporomandibular joint, 163
patterns in children having excellent occlusion, serial cephalometric study of, using angular and linear measurements, 231 (Abst.)
components, rates of growth of several, measured from serial cephalometric roentgenograms, 658
dimensions, vertical, of children with excellent occlusions, cross-sectional study of, 234 (Abst.)
growth, during orthodontic treatment in females of different ages, evaluation of amount and direction of, 639 (Abst.)
pattern and malocclusion; roentgenographic cephalometric analysis of cephalo-facio-dental relationships, 757
profile, photometric analysis of, 453
skeletal variants, integration of, 407
skeleton, functional analysis of, with split-line technique, 395 (Abst.)
genetic and non-genetic factors in profile of, 910
study; roentgenographic cephalometric analysis of cephalo-facio-dental relationships, 737
Faculty of odontology of Pernambuco, 568
Fairbank, Brigadier General Leigh C., Retired, receives military award for 1955, 956
Federal Trade Commission, 569, 648, 728
Fibers, connective tissue, speculations on potentialities of, 778
Fifty-first annual meeting of American Association of Orthodontists, 621
Fluoridation, Fred McKay, orthodontist, honored for pioneer work in, 648
Newburgh-Kingston Caries Fluorine Study. VII, 45
Newburgh-Kingston Caries Fluorine Study. IX, 674
of community water supplies; preventive dentistry and preventive orthodontics through public dental health education, 557
Force, extraoral—facts and fallacies, 490
Function, abnormal, of temporomandibular joint, 435

G

Genetic and non-genetic factors in profile of facial skeleton, significance of, 910
Golden Anniversary Luncheon, report on, 632
address by Robert H. W. Strang at, 633
Graber, T. M., to lecture in Europe, 569
Great Lakes Society of Orthodontists, 646, 727
president's address, 325
Growth and development patterns, abnormal, standardized radiography applied to patients with, 237 (Abst.)
cranial, of young rats, acceleration of, following injection of somatotrophic hormone, 65 (Abst.)
differences of depleted rats fed processed and unprocessed milks, 643 (Abst.)
facial, during orthodontic treatment in females of different ages, evaluation of amount and direction of, 639 (Abst.)
failure in children, use of partial vitamin supplements in treatment of, 803 (Abst.)
individual variation in; cranial base development, 198
lateral, of mandible as revealed by serial intraoral roentgenograms, 641 (Abst.)
mesial drift of teeth during, 539
of several facial components, rates of, measured from serial cephalometric roentgenograms, 658
palatofacial, correlative study of, using cephalometric and roentgenographic cephalometric techniques, 152 (Abst.)
study; roentgenographic cephalometric analysis of cephalo-facio-dental relationships, 750

H

Habits, sucking, study of intelligence quotient and manual dexterity as related to incidence of, in children, 235 (Abst.)
Hays, Major General Silas B., new Army Surgeon General, 648
Head positioner, special, roentgenographic study of temporomandibular joint using, 880 (Abst.)
Hinman, Thomas P., Mid-Winter Clinic, 158, 239
Histochemical studies on long bone and dentine of tryptophane-deficient and -depleted rats, 643 (Abst.)

Historian, report of, to board of directors of American Association of Orthodontists, 794
Human masticatory apparatus; introduction to dental anthropology, 397 (Abst.)

I

Impacted cuspids, locating, 926
Incisal inclination, sagittal jaw relation, alveolar prognathy, and, adolescent age changes in, 717 (Abst.)
Incisors, maxillary and mandibular central, cephalometric study of relationships of, in children having excellent occlusion and Class II, Division 1 malocclusion, 234 (Abst.)
Injury, radiation, of teeth and jaws, case report of, 802 (Abst.)
In memoriam, Lawrence Wills Baker, 228
Howard Dunn, 474
Evelyn Snyder Fritz, 229
David T. B. Houston, 317
Clinton Chappell Howard, 934
W. Robert MacConkey, 316
William A. Murray, 938
Beulah G. Nelson, 937
Alfred J. Oliver, 565
Roger Davies Prosser, 940
Ben Lavelle Reese, 64
Harry Strusser, 475
Allen H. Suggett, 474
L. C. Trotter, 391
I. V. Wood, 940
Integration of facial skeletal variants, 407
Intelligence quotient and manual dexterity as related to incidence of sucking habits in children, study of, 235 (Abst.)
International Dental Federation, 239
Investments for dentists, 291

J

Jaws, radiation injury of teeth and, case report of, 802 (Abst.)
Johnson Alumni Club, 75, 323

K

Ketcham, Albert H., memorial award, 1955, presentation of, by Raymond L. Webster, president of American Board of Orthodontics, 705
response by Joseph E. Johnson to presentation of, 708

L

Labiolingual technique, postgraduate course in, 158
therapy in Class II cases, variations of, 852
Lateral cephalostatic radiography, analysis of orthodontic deformity employing, 442
Lip and palate, clefts of, factors determining arch form in, 827
Long bone and dentine of tryptophane-deficient and -depleted rats, histochemical studies on, 643 (Abst.)

M

Macacus rhesus monkey, movability of vital and devitalized teeth in, 594
Malocclusion, Class II, Division 1, cephalometric evaluation of facial-skeletal and dental changes during and after treatment of, 721 (Abst.)
III, temporomandibular joint in, radiographic investigation of, 942 (Abst.)
etiology of, significance of early loss of deciduous teeth in, 819
variation of tooth size in, 872
facial pattern and; roentgenographic cephalometric analysis of cephalo-facio-dental relationships, 757
Malocclusions, Class II, dental changes accompanying treatment of, by extraoral means, 151 (Abst.)
diagnosing, cephalometric registration as aid in, 478 (Abst.)
treated with and without extraction, length of clinical crowns of teeth in, 66 (Abst.)
Mandible, crowding and spacing of teeth in, biometrics of, 801 (Abst.)
lateral growth of, as revealed by serial intraoral roentgenograms, 641 (Abst.)
radiographic investigation of various movements of, 148 (Abst.)
reproducibility of radiographic recordings of rest position of, in young adults, 235 (Abst.)
Mandibular anchorage, inadequacy of, 691
apical base, roentgenographic anthropometric evaluation of, 641 (Abst.)
bone development in rat, variation of, resulting from excision of anterior bellies of digastric muscles, 643 (Abst.)
Manual dexterity, intelligence quotient and, as related to incidence of sucking habits in children, study of, 235 (Abst.)
Masticatory apparatus, human; introduction to dental anthropology, 397 (Abst.)
Mastication, attachment of muscles of, 393 (Abst.)
Maxillo-facial anatomy: with practical applications, 398 (Abst.)
Mesial drift of teeth during growth, 539

Mexican dental bibliography, 392 (Abst.)
Orthodontic Association, 485
Middle Atlantic Society of Orthodontists, 400, 485, 568, 646, 727, 947
Military Affairs Committee, American Association of Orthodontists, annual report of, 388, 714
Milks, processed and unprocessed, growth differences of depleted rats fed, 643 (Abst.)
Mixed dentitions, deciduous and, panel on treatment of, 246
Model analysis; roentgenographic cephalometric analysis of cephalo-facio-dental relationships, 758
Molar crowns and anterior bite planes, 328
upper second, extraction, role of, in orthodontic treatment, 354
Monkey, Macacus rhesus, movability of vital and devitalized teeth in, 594
Movements, eruptive, of lower first molar in rat from 13 days insemination age to 30 days after birth, 65 (Abst.)
Muscles, digastric, excision of anterior bellies of, variation of mandibular bone development in rat resulting from, 643 (Abst.)
of mastication, attachment of, 393 (Abst.)

Mc

McKay, Fred, honorary degree awarded to, 806
orthodontist, honored for pioneer work in fluoridation, 648

N

Nair Hospital Dental College, University of Bombay, 75, 403
Nasal emission and form and function of certain structures associated with velopharyngeal valving in cleft palate individuals, study of relation between, 639 (Abst.)
Nasopharynx and related anatomic structures, width of, in normal and unoperated cleft palate children, 889
Necrology Committee of American Association of Orthodontists, report of, 795
Committees, 70
Newburgh-Kingston Caries Fluorine Study. VII. Correlation of ingested water fluorides to dentofacial development, 45
IX. Dentofacial growth and development—cephalometric study, 674
Nomenclature Committee, American Association of Orthodontists, report of, 1954, 390
report of, 1955, 797
Northeastern Society of Orthodontists, 72, 158, 400, 646, 727
Northeastern Society—Cont'd
president's address, 1, 487
report of Committee to Review President's Address, 63
Northwestern University, 75, 157, 402
Notes of interest, 76, 159, 239, 323, 405, 485, 569, 649, 729, 807, 887, 957

O

Occlusion, dental, thumb-sucking and, 640 (Abst.)
of permanent dentition, care of deciduous teeth as basis of, 90
of teeth, evaluation of effects of bulbar-spinal poliomyelitis on, 721 (Abst.)
serial cephalometric study of facial and denture patterns in children having excellent, using angular and linear measurements, 231 (Abst.)
Office management of orthodontic practice, 180
Officers of orthodontic societies, 77, 160, 240, 324, 406, 486, 570, 650, 730, 808, 888, 958
Oklahoma, story of dentistry in; open wider, please, 878 (Abst.)
Open coil spring, some facts concerning, 917
Open wider, please; story of dentistry in Oklahoma, 878 (Abst.)
Orthodontic appliance, modified twin wire, clinical applications of, 341
appliances: atlas for dentists and orthodontists, 566 (Abst.)
concepts, current, applying clinical yardstick to, 362
deformity, analysis of, employing lateral cephalostatic radiography, 442
diagnostic records, registration of, for statistical evaluation, 483 (Abst.)
directory of world, 69
education, undergraduate, dilemma of, and its effect, 765
patients, toothbrushing procedure for, 370
practice, office management of, 180
societies of world and principal officers, list of, 78
treatment, analysis of dental casts of patients made before and after, 233 (Abst.)
changes in dentofacial skeleton following, analysis of, 526
early, objectives of; factors determining arch form in clefts of lip and palate, 848
facial and denture changes during, as analyzed from temporomandibular joint, 163
of Class II, Division 1 malocclusions which previously exhibited posterior translation of mandible, cinefluorographic evaluation of results of, and study of spatial relationship of hyoid bone, 152 (Abst.)

Orthodontic appliance—Cont'd
photometric analysis of facial profile, 453
roentgenographic investigation of effect of, on relationship of alveolar bone proper to cementoenamel junction, 147 (Abst.)
upper second molar extraction in, role of, 354
vitality of permanent teeth in connection with degree of, study to determine, 943 (Abst.)
Orthodontics, course of study in, 483 (Abst.)
in daily practice, 481 (Abst.)
preventive, preventive dentistry and, through public dental health education, 554
St. Louis and early, 809
second premolar extraction in: principles, procedures, and case analysis in, 107
surgical, technique of, 27
Orthodontist and speech and hearing therapist, rationale for closer cooperation between, 571
death and, 188
Orthodontists, retired, 239
Overbite, difficult deep, cases, completion of, 137

P

Pacific Coast Society of Orthodontists, 238, 401, 646, 727, 948
Palate, clefts of lip and, factors determining arch form in, 827
Palatofacial growth, correlative study of, using cephalometric and roentgenographic cephalometric techniques, 152 (Abst.)
Papilla incisiva, plicae palatinae transversae and, in man, 879 (Abst.)
Patients, orthodontic, toothbrushing procedure for, 370
Pernambuco, faculty of odontology of, 568
Photometric analysis of facial profile, 453
Plicae palatinae transversae and papilla incisiva in man, 879 (Abst.)
Poliomyelitis, bulbar-spinal, evaluation of effects of, on occlusion of teeth, 721 (Abst.)
Practice, disposition of; death and orthodontist, 192
orthodontic, office management of, 180
procedures, current, survey of, 506
Premolar, second, extraction in orthodontics: principles, procedures, and case analysis, 107
President's address, American Association of Orthodontists, 241, 651
Central Section of American Association of Orthodontists, 161
Committee on, American Association of Orthodontists, report of, 1955, 713
Great Lakes Society of Orthodontists, 325
President's Address—Cont'd
Northeastern Society of Orthodontists, 1, 487
Report of Committee to Review, 63
Southern Society of Orthodontists, 81
Preventive dentistry and preventive orthodontics through public dental health education, 554
Prize essay contest, 1955, American Association of Orthodontists, 68, 156
introduction of winner by Dr. J. A. Salzmann, chairman, Committee on Research, American Association of Orthodontists, Monday, May 9, 1955
1956, American Association of Orthodontists, 723, 805, 882, 994
Procedure, toothbrushing, for orthodontic patients, 370
Procedures, current practice, survey of, 506
Profile, facial, photometric analysis of, 453
of facial skeleton, significance of genetic and non-genetic factors in, 910
Public dental health education, preventive dentistry and preventive orthodontics through, 554
Health Committee, American Association of Orthodontists, report of, 798

R

Racial criteria, anthropologic, study of dentofacial morphology in esthetic occidental whites based upon, employing cephalometric radiography, photography, and casts of dentition, 942 (Abst.)
Radiation injury of teeth and jaws, case report of, 802 (Abst.)
Radiographic evaluation of temporomandibular joint in edentulous subjects, 881 (Abst.)
investigation of temporomandibular joint in Class III malocclusion, 942 (Abst.)
of various movements of mandible, 148 (Abst.)
recordings of rest position of mandible in young adults, reproducibility of, 235 (Abst.)
Radiography, lateral cephalostatic, analysis of orthodontic deformity employing, 442
lateral cephalometric, study of dentofacial anatomy in normal and abnormal individuals employing, 149 (Abst.)
standardized, applied to patients with abnormal growth and development patterns, 237 (Abst.)
Rat, mandibular bone development in, variation of, resulting from excision of anterior bellies of digastric muscles, 643 (Abst.)

Rats, depleted, fed processed and unprocessed milks, growth differences of, 643 (Abst.)
tryptophane-deficient and -depleted, histochemical studies on long bone and dentine of, 643 (Abst.)
Report, annual, of Military Affairs Committee of American Association of Orthodontists, 388
of Military Affairs Committee, American Association of Orthodontists, 1955, 714
editor's, American Journal of Orthodontics, 1953-1954, 387
from A. A. O. general chairman, 629
of Committee on President's Address, American Association of Orthodontists, 1955, 713
of Committee to Review President's Address, Northeastern Society of Orthodontists, 63
of historian to board of directors of American Association of Orthodontists, 794
of Necrology Committee of American Association of Orthodontists, 795
of Nomenclature Committee, American Association of Orthodontists, 1954, 390
of Nomenclature Committee of American Association of Orthodontists, 1955, 797
of Public Health Committee, American Association of Orthodontists, 798
on Golden Anniversary Luncheon, 632
Reproducibility of radiographic recordings of rest position of mandible in young adults, 235 (Abst.)
Research award competition, fifteenth annual, Chicago Dental Society, 647, 728
Committee on, American Association of Orthodontists, introduction of 1955 prize essay contest winner by Dr. J. A. Salzmann, chairman, Monday, May 9, 1955, 734
section meeting, 1955, American Association of Orthodontists, 68, 155
section meeting, 1956, American Association of Orthodontists, 723, 805, 882, 994
Rocky Mountain Society of Orthodontists, 73, 883
Roentgenograms, serial cephalometric, rates of growth of several facial components measured from, 658
serial, intraoral, lateral growth of mandible as revealed by, 641 (Abst.)
Roentgenographic anthropometric evaluation of mandibular apical base, 641 (Abst.)
Roentgenographic—Cont'd
cephalometric analysis of cephalo-faciodental relationships, 735
investigation of effect of orthodontic treatment on relationship of alveolar bone proper to cementoenamel junction, 147 (Abst.)
study of temporomandibular joint using special head positioner, 880 (Abst.)
Rugae, palatal; plicae palatinae transversae and papilla incisiva in man, 879 (Abst.)

S

Sagittal jaw relation, alveolar prognathy, and incisal inclination, adolescent age changes in, 717 (Abst.)
St. Louis and early orthodontics, 809
San Francisco meeting, notes on, 637
Shift technique; locating impacted cuspids, 926
Size, tooth, variation of, in etiology of malocclusion, 872
Skeletal and denture patterns of children with excellent occlusions, serial cephalometric analysis of, 642 (Abst.)
pattern in cleft palate patients from 6 to 13 years of age, lateral cephalometric study of, 236 (Abst.)
variants, facial, integration of, 407
Skeleton, dentofacial, changes in, following orthodontic treatment, analysis of, 526
facial, functional analysis of, with split-line technique, 395 (Abst.)
significance of genetic and non-genetic factors in profile of, 910
Social service dentistry by private organization; preventive dentistry and preventive orthodontics through public dental health education, 560
Somatotrophic hormone, acceleration of cranial growth of young rats following injection of, 65 (Abst.)
Southern Society of Orthodontists, 73, 485, 568, 646, 728, 949
president's address, 81
Southwestern Society of Orthodontists, 485, 568, 646, 728, 952
E. B. Arnold presented Dewey award by, 954
Speech and cleft palate patient, 121
and hearing therapist, closer cooperation between orthodontist and, rationale for, 571
Spacing of teeth in mandible, crowding and, biometrics of, 801 (Abst.)
Spanish Association of Orthodontics, 885

Split-line technique, functional analysis of facial skeleton with, 395 (Abst.)
Spring, open coil, some facts concerning, 917
Squamoso-mandibular articulation, development of, in rat from 16 days insemination age to 30 days after birth, 147 (Abst.)
Statistical evaluation, registration of orthodontic diagnostic records for, 483 (Abst.)
Stress, early tissue changes following tooth movement in laboratory rat at varying periods of time after application of, 318 (Abst.)
Sucking habits in children, incidence of, study of intelligence quotient and manual dexterity as related to, 235 (Abst.)
Suggett, Allen H., dies, 402
Surgical orthodontics, technique of, 27
Syndrome, Costen's, dizziness in, possible explanation for, 470

T

Technique of surgical orthodontics, 27
split-line, functional analysis of facial skeleton with, 395 (Abst.)
Teeth and jaws, case report of radiation injury of, 802 (Abst.)
axes and facial planes; roentgenographic cephalometric analysis of cephalo-facio-dental relationships, 749
crowding and spacing of, in mandible, biometrics of, 801 (Abst.)
deciduous, care of, as basis of occlusion of permanent dentition, 90
significance of early loss of, in etiology of malocclusion, 819
impacted or unerupted, new improved method of treatment of, 583
length of clinical crowns of, in malocclusion treated with and without extraction, 66 (Abst.)
mesial drift of, during growth, 539
occlusion of, evaluation of effects of poliomyelitis on, 721 (Abst.)
permanent, degree of vitality of, in connection with study to determine, 943 (Abst.)
vital and devitalized, in Macacus rhesus monkey, movability of, 594
Temple University, 402, 568
Temporalis muscle activity, study of dentofacial morphology and, in normal 7-year-old children, employing cephalometric radiography and electromyography, 232 (Abst.)
Temporomandibular joint, abnormal function of, 435
facial and denture changes during orthodontic treatment as analyzed from, 163
Temporomandibular joint—Cont'd
in Class III malocclusion, radiographic investigation of, 942 (Abst.)
in edentulous subjects, radiographic evaluation of, 881 (Abst.)
roentgenographic study of, using special head positioner, 880 (Abst.)
Therapist, speech and hearing, closer cooperation between orthodontist and, rationale for, 571
Therapy, variations of labiolingual, in Class II cases, 852
Thumb-sucking and dental occlusion, 640 (Abst.)
Tissue changes, early, following tooth movement in laboratory rat at varying periods of time after application of stress, 318 (Abst.)
incidental to tooth movement, clinical significance of, 5
Toothbrushing procedure for orthodontic patients, 370
Tooth movement, early tissue changes following, in laboratory rat at varying periods of time after application of stress, 318 (Abst.)
tissue changes incidental to, clinical significance of, 5
Tooth size, tooth position, and size of supporting area, analysis of, 150 (Abst.)
variation of, in etiology of malocclusion, 872
Treatment, at what age should, be started? 262
early, cases indicating, 279
in deciduous dentition, 255
of deciduous and mixed dentitions, panel on, 246
of Class II, Division 1 malocclusion, cephalometric evaluation of facial-skeletal and dental changes during and after, 721 (Abst.)
of growth failure in children, use of partial vitamin supplements in, 803 (Abst.)
of impacted or unerupted teeth, new improved method of, 583
orthodontic, analysis of dental casts of patients made before and after, 233 (Abst.)
changes in dentofacial skeleton following, analysis of, 526
facial and denture changes during, as analyzed from temporomandibular joint, 163
photometric analysis of facial profile, 453
upper second molar extraction in, role of, 354
planning; roentgenographic cephalometric analysis of cephalo-facio-dental relationships, 753

Treatment—Cont'd
therapeutics, comprehension of diagnostic differentiation of Class III cases for instigation of, 604
Tryptophane-deficient and -depleted rats, histochemical studies on long bone and dentine of, 643 (Abst.)
Tufts College Dental School, 75, 157
Tweed Study Group of Southwest, 400
Twin wire orthodontic appliance, modified, clinical application of, 341

U

Undergraduate orthodontic education, dilemma of, and its effect, 765
United States Department of Health, Education, and Welfare, 883
University of Bombay Nair Hospital Dental College, 75, 403
of Illinois, 75
College of Dentistry, 157
of Pittsburg, 158

V

Velopharyngeal valving in cleft palate individuals, form and function of certain structures associated with, study of relation between nasal emission and, 639 (Abst.)
Vitality of permanent teeth, degree of, in connection with orthodontic treatment, study to determine, 943 (Abst.)
Vitamin supplements, partial, use of, in treatment of growth failure in children, 803 (Abst.)

W

Washington University, School of Dentistry, postgraduate course in labiolingual technique, 158
Width of nasopharynx and related anatomic structures in normal and unoperated cleft palate children, 889

Editorials

A Letter to the Editor, 311
A Mouthful of Wire, 385
Cephalometrics, Cephalometrists, and Orthodontics, 709
Clinton Chappel Howard, 790
Membership Requirements of the American Association of Orthodontists, 308
Orthodontics vs. Orthodontia, 226
Public Relations, 618
The Dentist in Public Health Affairs, 877
The Function of the American Association of Orthodontists, 306
The Jenkins-Keogh Bill, 712